Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No[illegible]t & Final Bill (For Other Works) SBE/13/19-20 Date 31-5 2019

Zone:**BBMP,Yelahanka** Division:**BBMP, Byatarayanapura** Sub-Division:**BBMP, Kodigehalli**

Bill Received No. Dated Divisional / Sub-Divisional Cash Book Voucher No.....Dated.....

Job Code: 008-18-000044

Schedule Docket No. Head of Account: P3295 Est.Cost: Rs.10.00 Lakhs D.R.NO.:

Name of Work : Providing UGD Works Ward No 08

Name of Contractor and Full Address: Executive Engineer , K.R.I.D.L, #280, 59th Cross Road, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-10

Reference to Agreement No. BBMP/EE/BTP/WO/260/2018-19 Date: 08.03.2019

Certified that the measurements were taken by me on: 20/5/19 and recorded of Pages 497632 to 497649 of measurement Book No. 4977/2018-19 and that work is satisfactorily executed.

4976 N.D 497631

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor

AE(W8) 21/5

Officer-in-charge of work

Certified that measurement were taken by me on 20/5/2019 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accont have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....Percent Rs.....		
3) " Balance		
4) Deduct Payment:		
a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....964898 Amount Total.		9,78,524-00
adjusted towards cash advance recovery of	19298 - IT -	95700
b) Payments cost store or other material supplied.	9649 - Cess -	9785-00
Now made recovery of amount creditable to this /other work	965 - CBF -	979-00
Amount paid on this bill Cheque/Cash.	6482 - LR -	64820
5) Balance being unpaid value of work done held in reserve.	8615 - CGST -	87337-00
6) Deduct cash advance made on the Office cash Book Voucher No..... dated .....less adjustments.	8615 - SGST -	87337-00
7) Net amount due to or from Contractor unadjustments items.	48245 - FBD -	489260-00
8) Advance to Contractor for materials brought to site (as detailed) within	Adju - Rs - 101869-00	Total amount adjusted 4,93,216-00
9) Value of Government materials supplied.	Cheque: Rs - 863029-00	Contractor's Signature Cheque 8,75,308-00

31/05

Received Rs.....(in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Witness
1
2

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

(For use in the Office)

978524-00
964898-00
101869-00
103216-00
863029-00
875308-00

Stamp

Rs: Eight Lakh Sixty Three Thousand Two hundred eight hundred twenty Eight only

Executive Engineer

31/5

Sl. No.	Items grouped under sub-Heads and Sub-Works of the Estimate Description	Unit
1	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for pipes of all dia of Depth of 0 to 2M	Cum
	b) Pipes of all dia for depth 2.0 to 4.0M in all types of Soils	Cum
2	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger, lighting, shoring, strutting, dewatering, etc. IN DISINTEGRATED ROCK, SOFT ROCK, SOFT SHALE AND MEDIUM HARD ROCK COMPRISING OF LIME STONE, SAND STONE, HARD SHALE SCHIEST, FISSURED ROCK without resorting to blast ect. For pipes of all dia **a) For depth upto 2.0m** Note : If any shoring and Strutting will be paid separately	Cum
	b) For depth upto 2.0m to 4.0 m Note : If any shoring and Strutting will be paid separately (BWSSB SR 2017-18 No 2.1 Code : A055B) Page 51 Considering 15% of Earth work Quantity	Cum
3	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger, lighting, shoring, strutting, dewatering, etc. IN HARD ROCK BY CHISTELLING TO PROPER SLOPE etc. **a) Pipes of II dia For depth upto 2.0m** Note : If any shoring and Strutting will be paid separately (BWSSB SR 2017-18 No 2.1 Code : A068A) Page 52 Considering 10% of Earth work Quantity	Cum
	b) For depth upto 2.0m to 4.0 m Note : If any shoring and Strutting will be paid separately (BWSSB SR 2017-18 No 2.1 Code : A068A) Page 52 Considering 10% of Earth work Quantity	Cum
4	REFILLING OF EARTH around pipelines, in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering all lead and lift including cost of all labour including consolidation by mechanical means approved by the Engineer in charge, when earth is at suitable moisture content with desired field density upto 95% maximum dry density (modified heavy proctor test) for restoration of roads without settlement including HOM of machineries, complete. (The contractor shall take care while consolidating the earth, so that, pipes laid are not damaged due to mechanical compaction and shall restore the damaged pipes at his own cost, in case of damage) etc. with:Approved earth available nearby, lead upto 100 M and lift upto 1.5 M. Note: In exceptional cases, earth may be obtained from borrow pit with extra lead, duly obtaining approval from the Chief Engineer.(BWSSB SR 2017-18 Page No56.Sl.no.14.1 Code:A095A) Page 56	Cum
5	Cutting road surfaces for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc. in the classifications for: Macadam Road (BWSSB SR 2017-18 Page No 16.2 Cade : A105A) Page No 56	Cum
6	KSRB-4-1.7 Providing and laying in position plain cement concrete of mix 1:3:6 with cement OPC @220kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1,4.2	Cum
7	Providing and installing sheet piling for both sides of the trenches for following depths with mild steel sheets of not less than 6.5 mm thick, stronger knife edge, recessed spreader sockets, 3 inch single or double wall shields, to be designed by the contractor to withstand all types of soils, maximum depth as per the approved design drawings, including labour charges for installing and removing the sheet piling at various reaches of sewer line constructions, including loading, unloading, transporting to the suitable location etc. complete with all lead and lifts. (Measurement shall be taken for one side only even though it is provided for both sides)	Sqm

Previous Measurement			Present Measurement			Total Upto Date	
Qty	Rate Rs. P.	Amount	Qty	Rate Rs. P.	Amount	Qty	Cost
-	-	-	158.55	167.00	26477.85	158.55	26477.85
-	-	-	99.66	225.00	22423.50	99.66	22423.50
-	-	-	31.71	404.00	12810.84	31.71	12810.84
-	-	-	19.93	460.00	9167.80	19.93	9167.80
-	-	-	20.84	1487.00	30989.08	20.84	30989.08
-	-	-	13.29	1602.00	21290.58	13.29	21290.58
-	-	-	225.87	103.00	23264.61	225.87	23264.61
-	-	-	30.2	859.00	25941.80	30.2	25941.80
-	-	-	18.12	4689.00	84964.68	18.12	84964.68
-	-	-	120.8	531.00	64144.80	120.8	64144.80

8	Carting of excavated Earth for all types of upto a distance mentioned below and re-Carting back the earth to the same site by vehicle including loading , unloading chages for to & fro, with all lifts, labour, HOM of machinery etc. complete, after obtaining approval of Chief Enineer, for	Cum
9	Disposing of excavated Earth of all types by vehicle including loading , unloading, with all lead and lifts, labour, HOM of machinery etc. Distance pf 10KM (BESSB SR 17-18 Code A115E)	Cum
10	Supplying S&S RCC SPUN / VIBRATED CAST PIPES (REINFORCED) pipes NP-3 Class conforming to IS:458-1988 with latest amendments using ordinary portland cement, for sanitary works and conveying to work site, rolling and lowering into trenches, laying true to line and level including loading and unloading at both destinations and jointing of pipes and specials including cost of specials, perfect linking of joints with jack to correct position including cost of jointing materials, i.e, rubber rings conforming to IS: 5382 for S&S RCC pipes, with all leads and lifts as directed and giving necessary hydraulic test as per ISS to the required pressure and commissioning etc. complete. (Contractor will make his own arrangements for procuring water for testing). Before the execution of the work, the contractor shall carry out the survey and will be paid extra for the same as per seperate item.: RCC NP3 Class pipe of 400 mm dia.. (BWSSB SR 2017-18 T050B)	Rmt
11	Providing and constructing "WIRE CUT BRICK MANHOLE CHAMBERS" using suplhate resistant cement, coNickel in shape at top, with CC 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15M alround the chamber. Construct Brick masonry in CM 1:4, 340 mm thick, with wirecut bricks of approved quality, plaster inside and out side with CM 1:3, 12 mm thick, except for the coNickel surface outside where the plaster thickness shall be 20 mm. Slope inside to be 1:6 in the concrete towards central drain and finished smooth. Fixing of pipes in CC 1:2:4 with graded metal of 20 mm and down size. Supplying and fixing SFRC manhole frame and cover conforming to IS:12592 with latest amendment, in CC 1:2:4. Supplying and fixing footsteps made of 12 mm dia. steel bars (Fe-415) with 3 mm thick plastic encapsulation (IS-10910). The footsteps shall be fixed 30cms apart and on CC block embedded to masonry wall. The whole works include excavation in all types of soils, watering, curing, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, de-watering, engraving manhole number with flow direction on the inner coNickel surface etc. as per the drawing etc. as per technical specifications and for the following diameters and depth	No
B	Depth above 2m and below 3m (44961-30795) = 14166/-	m
12	Conducting the Level and Strip Survey of alignment of Main Sewers of required diameter including all data required for generating GIS maps of sewer network, preparation and submission of plan & LS with Ground level at 30m interval and junction points along the centre line of the alignment etc., showing the Right of way, any permanent features, culverts, branch sewer pipe complete as per specifications and as directed by the Engineer in charge with all lead and lifts etc., complete. **Sewer pipes above 300 mm dia.** **(BWSSB SR 17-18 123.2 Code T475B)**	Rmt
13	Providing erecting and removing casurinapole barricading using pole of 7.5 to 10cms dia and 1.5 height above ground fixed vertically at intervals of 2.0 to 2.5 mtrs C/C and horizontally at 0.5mtrs above ground level including fixing poles in the ground for a minimum depth of 0.3m and tied with coir rope firmly including cost and conveyance of all materials, labour,lead and lift charges and complete.	Rmt
15	KSRRB M400-6.1 Construction of granular sub-base by providing close graded cushed stone aggregates of granite / trap / basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in unifrom layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density complete as per specifcations A plant mix Method For Grading -II Material	Cum

-	-	-	180	335.00	60300.00	180	60300.00
-	-	-	117.97	243.00	28666.71	117.97	28666.71
-	-	-	117.8	1953.00	230063.40	117.8	230063.40
-	-	-	4	30795.00	123180.00	4	123180.00
-	-	-	3.7	14166.00	52414.20	3.7	52414.20
-	-	-	120.8	28.00	3382.40	120.8	3382.40
-	-	-	120.8	52.00	6281.60	120.8	6281.60
-	-	-	24.16	2171.90	52473.10	24.16	52473.10

16	KSRRB M400-17 Providing, Laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC, in mechanical mix plant carriage of mixed materials by tipper to site laying in unifrom layers with paver in Sub- basa/basa course on wall prepared surface and compacting with vibratory power roller to achieve the desired density complete as per specifcations **MORTH Specification No 406**	Cum
	Total	
	Gst Charges @ 12% (Si No 6 & 15-16)	
	Add 4% K.R.I.D.L Charges	
	Add 1.5% Third party Inspection Charges	
	Total	

CRTIFICATE:

1. Certified that the above work done satisfactory and no materials issued from Department

AE(NH)

-	-	-	18.12	1667.00	30206.04	18.12	30206.04
					908442.99		908442.99
					20117.26		20117.26
					36337.72		36337.72
					13626.64		13626.64
					978524.62		**978524.62**

Rs: 9,64,898-00 Rs: 9.64,898-0